



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Rajesh Kumar, et al. Art Unit : 1652
Serial No. : 09/940,235 Examiner : Sheridan L. Swope
Filed : August 27, 2001
Title : NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING
ALTERED PLASMINOGEN ACTIVATION CHARACTERISTICS AND A
PROCESS FOR THE PREPARATION OF SAID PROTEIN

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INFORMATION DISCLOSURE STATEMENT

The references cited on the enclosed form PTO-1449 are from the Declaration under 37 C.F.R. § 1.132 of Dr. Girish Sahni submitted on September 20, 2004. Copies of the references listed on the attached form PTO-1449 are enclosed.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

October 20, 2004

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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.88(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07064-009002	Application No. 09/940,235
	Applicant Rajesh Kumar, et al.		
	Filing Date August 27, 2001	Group Art Unit 1652	

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

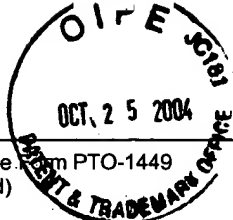
Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AN	Fay, William P, et al., "Functional Analysis of the Amin- and Carboxyl-Termini of Streptokinase," <i>Thromb Haemost</i> Vol. 19 pp. 985-991 (1998).
	AO	Jackson, Kenneth W., et al., "Streptokinase and Staphylokinase," Academic Press Vol.; 80 pp. 387-394 (1981).
	AP	Kim, Dong Min, et al. " Asp41-His48 Region of Streptokinase Is Important in Binding to a Substrate Plasminogen," <i>Thrombosis Research</i> Vol. 99 pp. 93-98 (2000).
	AQ	Kim, Chu Il, et al., "C-Terminal Peptide of Streptokinase, Met369-Pro373, Is Important in Plasminogen Activation," <i>Biochemistry and Molecular Biology International</i> Vol. 40, No.5 pp. 939-945 (1996).
	AR	Lee, Byeong Ryong, et al., "Site-Specific Alteration of GLY-24 in Streptokinase: Its Effect on Plasminogen Activation," <i>Biochemical and Biophysical Research Communications</i> Vol. 165, No. 3 pp. 1085-1090 (1989).

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07064-009002	Application No. 09/940,235
		Applicant Rajesh Kumar, et al.	
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**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

(37 CFR §1.98(b))

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AS	Lee, Si Hyoung, et al., "Identification of the Functional Important of Vatine-19 Residue in Streptokinase by N Terminal Deletion and Site-Directed Mutagenesk," <i>Biochemistry and Molecular Biology International</i> Vol. 41, No. 1 pp. 199-207 (1997).
	AT	Lin, Lee-Fong, et al., "Mutation of Lysines in a Plasminogen Binding Region of Streptokinase Identifies Residues Important for Generating a Functional Activator Complex," <i>Biochemistry</i> Vol. 35, pp. 16879-16885 (1996).
	AU	Malke, Horst, "Polymorphism of the Streptokinase Gene: Implications for the Pathogenesis of Post-Streptococcal Glomerulonephritis," <i>Gustav Fischer Verlag</i> Vol. 278 pp. 246-257 (1993).
	AV	Malke, Horst, et al., "Streptokinase: Cloning, Expression and Excretion by Escherichia Coli," <i>Proc. Natl. Acad. Sci. USA</i> Vol. 81 pp. 3557-3561 (1984).
	AW	Matsuka, Yury V., et al. "The NH ₂ -terminal Fibrin-binding Site of Fibronectin Is Formed by Interacting Fourth and Fifth Finger Domains," <i>The Journal of Biological Chemistry</i> Vol. 269 pp. 9539-9546 (1994).
	AX	Nihalani, Deepak, et al., "Streptokinase Contains Two Independent Plasminogen-Binding Sites," <i>Academic Press, Inc.</i> Vol. 217 pp. 1245-1254 (1995).
	AY	Potts, Jennifer R., et al., "Solution Structure of the N-Terminal F1 Module Pair from Human Fibronectin," <i>Biochemistry</i> Vol. 38 pp. 8304-8312 (1999).
	AZ	Reed, Guy L., et al., "Identification of a Plasminogen Binding Region in Streptokinase That Is Necessary for the Creation of a Functional Streptokinase-Plasminogen Activator Complex," <i>Biochemistry</i> Vol. 34 pp. 10266-10271 (1995).
	AAA	Rostaagno, Agueda, et al., "Further Characterization of the NH ₂ -terminal Fibrin-binding Site on Fibronectin," <i>The Journal of Biological Chemistry</i> Vol. 269 pp. 31938-31945 (1994).
	ABB	Saksela Olli, "Radical Caseinolysis in Agarose: A Simple Method for Detection of Plasminogen Activator in the Presence of Inhibitory Substances and Serum," <i>Biochemistry</i> pp. 276-282 (1981).
	ACC	Shi, Suey-Yueh, et al., "Function of Streptokinase Fragments in Plasminogen Activation," <i>Biochemistry Journal</i> pp. 235-241 (1994).
	ADD	Wang, Xiaoqiang, et al., "Crystal Structure of the Catalytic Domain of Human Plasmin Complexed with Streptokinase," <i>Science Magazine</i> Vol. 281 pp. 1662-1665 (1998).
	AEE	Welfle, K., et al., "Conformation and Stability of Streptokinases From Nephritogenic and Nonnephritogenic Strains of Streptococci," <i>Wiley-Liss, Inc.</i> Vol. 27 pp. 26-35 (1997).
	AFF	Williams, Michael J., et al., "Secondary Structure of a Pair of Fibronectin Type 1 Modules by Two-Dimensional Nuclear Magnetic Resonance," <i>Biochemistry</i> Vol. 32 pp. 7388-7395 (1993).
	AGG	Young, Kung-Chia, et al., "Interaction of Streptokinase and Plasminogen," <i>The Journal of Biological Chemistry</i> Vol. 270 pp. 29601-29606 (1995).

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